

# DATA PROCESSING SYSTEMS FOR BUSINESS



Advanced Information Systems Department

informatics inc.

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## Who we are

To be competitive in modern business, more and more companies are applying computer-based systems to their operational problems.

Some of the nation's acknowledged leaders in this technical field are on the staff of Informatics' Advanced Information Systems Department. Our four key people, for example, represent over fifty years of experience including: the first world-wide inventory control system for Air Force spare parts, centralized databanks for several major cities, information storage and retrieval, airline reservation systems, inventory and accounting for business. AIS teams have contributed to many of the most successful information systems in use today.

This outstanding investment by Advanced Information Systems in know-how and skill can substantially reduce your costs when your company applies computer-based systems.

## What we do

We supply off-the-shelf and tailor-made programs applicable to data processing systems for business.

Our advanced systems and techniques, already developed and implemented, offer a very real saving to you. These proprietary techniques can be used on the most modern electronic computers. Their design is based on AIS-developed and universally applicable rules for information filing, retrieval, data base updating, search, and report generation. Let us tell you specifically how these systems can cut costs in your business.

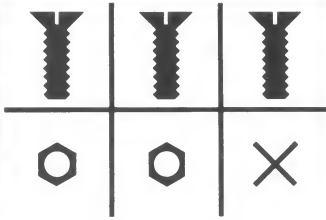
When you need such computer programs why re-invent the wheel? You can use our know-how to determine how computers can most effectively serve you and to develop the necessary systems and programs. You will get the benefit of cost savings and effective operation.

## What we have already done

There's nothing like buying experience. But you have to make sure it's the right kind of experience. The opposite page shows some of the things we have already done for other people. Some of this experience may apply to your company's problems.

# Areas of Application

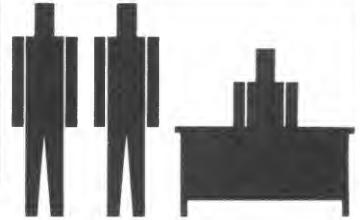
AIS' experience covers the whole range of business-type computer-based applications, including the following:



**INVENTORY**  
For branch warehouses with 10,000 items, as well as the world's first on-line inventory system for ¼ million items.



**CENTRALIZED DATABANKS**  
Systems of files consolidating data from one or many departments into a single, highly accessible place for use in planning, budgeting, marketing, manufacturing, and many other applications.



**PERSONNEL**  
Personnel systems for work assignment, manpower accounting, name and address files, preparation of mailing labels.



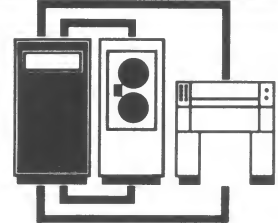
**ACCOUNTING**  
General ledger accounting packages, back office accounting for hotels, billing and accounts receivable systems, and accounts payable systems.



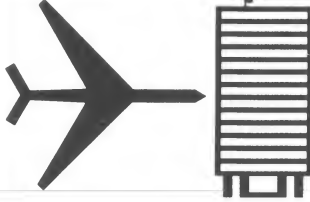
**CREDIT**  
Charge plans for individual retail stores and for chain stores, reference files of consumer credit information.



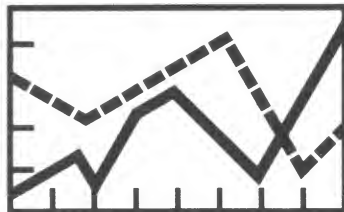
**LOGISTICS**  
Item inventory, configuration control, maintenance failure rates, requisitioning and reordering, demand analysis and reorder point computation.



**EQUIPMENT ANALYSIS**  
Preparation of invitations to computer manufacturers to bid, technical evaluation of proposals, specification of detailed functional characteristics of equipment.



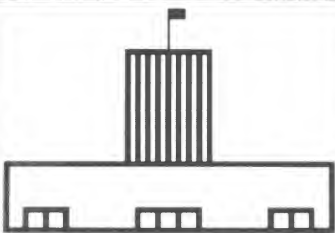
**RESERVATION SYSTEMS**  
Airline and hotel reservation systems, on-line and off-line systems, reservation accounting and billing systems.



**MARKET DATA ANALYSIS**  
Generalized systems for market data analysis by appropriate categories, market summaries, and correlations.



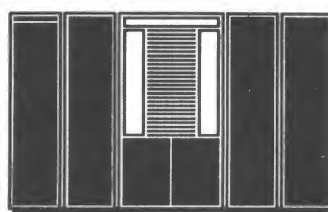
**MANUFACTURING AND DISTRIBUTION**  
Bills of materials, purchasing, vendor files, project monitoring and control, configuration control, stock control and reordering, analyses for proposal preparation, periodic management reporting, multi-point warehouse inventory and in-transit control.



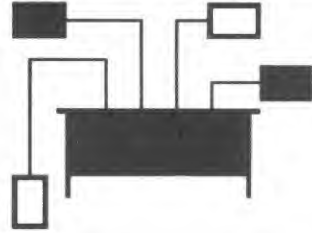
**STATE AND LOCAL GOVERNMENT**  
Metropolitan databanks (centralized data systems), budgeting, personnel and payroll, fire, sanitation, bonds, registrar of voters, licenses and permits, building and safety.



**LAW ENFORCEMENT**  
Warrant files, permits, M. O. files, firearm files, crime analysis by category, resource assignment.



**INFORMATION STORAGE AND RETRIEVAL**  
Selection of desired records from very large files by complex logical criteria, extraction of desired data, and report preparation.



**MANAGEMENT INFORMATION AND RESOURCE PLANNING**  
Reports and summaries of operating status and costs, and analyses of alternative courses of action.



**JOHN A. POSTLEY**  
Director, Advanced Information Systems

Entering the computing field in 1948, Mr. Postley gained experience in senior technical and management positions at the National Bureau of Standards, the Northrop Corporation, Hughes Aircraft Company, The RAND Corporation, and Advanced Information Systems, Inc. He was the first chairman of Business Data Processing for the Association for Computing Machinery, and served as an honorary ACM National Lecturer and Visiting Scientist, and as a U. S. State Department Lecturer in Europe. He is an Editor of Computing Reviews and Chairman of Information Processing Problem Definition and Analysis (X3.6) for the American Standards Association. Mr. Postley has published over 50 articles and is the author of the McGraw-Hill book, *Computers and People*. He holds a BA Degree in Mathematics.



**ARNOLD P. ANEX**  
Member of the Senior Staff

Mr. Anex participated in design of the world-wide inventory system for aircraft spare parts for the U. S. Air Force. He is a former research analyst, The RAND Corporation. He served as a consultant to the Air Force in design and development of a missile spare part inventory control system. He has designed file management systems which create and maintain files of information on magnetic tape, retrieve selectively from these files, and produce reports and summaries tailored to user needs. He holds a BS Degree in Industrial Management.



**T. DWIGHT BUETTELL**  
Member of the Senior Staff

Mr. Buettell has worked with automated systems to accomplish planning parts listing, material release, material control, shop loading, and scheduling. He was formerly an industrial engineer, Douglas Aircraft Company. Supervising a group of up to 40 programming analysts, he developed and programmed such engineering functions as ordering, drawing release, information retrieval, PERT, component parts standardization, statistics, and operations research. He holds a Master's Degree in Business Administration.



**RAYMOND J. MASON**  
Member of the Senior Staff

Mr. Mason has done extensive work in design of systems for military logistics. He is a former systems research analyst, The RAND Corporation. He has spent a number of years in study of the data processing problems of state and local governments, and is co-author of the Prentice-Hall book, *A Data Processing System for State and Local Government*. He has been a consultant to the city of Los Angeles, and to the planning departments of Denver, Fort Worth, Little Rock, Tulsa, and Wichita. Mr. Mason is a Certified Public Accountant in the state of California, and he holds a Master's Degree in Business Administration.